



Showy Ladyslippers in One of Our Beds



Catalog

Number Ten



Orchid Gardens

Route One

GRAND RAPIDS, MINNESOTA

AUG 10 1956

Here is our latest catalog of wildflowers and ferns. Also, a few native shrubs and trees and hardy perennials. Everthing we list is hardy here in northern Minnesota, so should prove so elsewhere. In sections where snowfall is light, or if the weather is very changeable through the winter, a light mulch of straw, leaves or similar material helps protect your plants from freezing out. This should be applied after the ground is frozen two or three inches.

Our specialty is native plants. We grow more species of native plants than any other nursery in Minnesota. We take pride in doing our small part to aid in their preservation and to acquaint people with some of the best of these plants. There was a luxuriant growth of these plants when the "pale-face" arrived. He cut the forests, plowed the prairies and drained the bogs, forcing many of these plants to near extinction. Our aim is to propagate these plants in nursery beds, thus multiplying them much faster than they would do in the wild, and producing plants that transplant readily.

We welcome your questions regarding native plants, and will answer all to the best of our ability and knowledge. If we do not list the plant you want, we may be able to find it for you.

We have received many letters complimenting our plants and our method of packing. We would like to take this means of thanking all who have written so kindly. We will endeavor to continue to merit such confidence.

Blooming dates given throughtout this catalog are approximate and refer to northern Minnesota. Allow a week or so earlier for each 100 miles south of here.

(This catalog number 10 will be in effect until we issue a new one, which may be for several years, so please keep it on file. If you lose your copy write for a new one.)

Sincerely,

Mr. and Mrs. Clair Phillips

CULTURAL REQUIREMENTS

Below are listed requirements of various plants, each group identified by a letter of the alphabet. In this way we hope it will be easier to pick out the plants that should do best in your particular situation. In the case of plants requiring special conditions, this will be noted in the descriptions.

A. Plants marked with "A" are those requiring light shade. The soil should be about one-half to one-third leafmold, well rotted cow manure, compost or neutral peat. The soil should be moist, but not soggy, with good drainage.

B. Plants marked with "B" will grow in any good garden soil either in full sun or light shade.

C. These are the plants that like "wet feet", even can be flooded for brief periods when dormant. Soil should be rich. Muck, neutral peat or any soil enriched with leafmold, well rotted cow manure or compost. Full sun or light shade.

D. Acid soil for these. Liberal addition of pine needles, oak leafmold or acid peat will bring success with these plants. Well drained soil in light shade is best.

M. We are marking those items that like a little extra moisture with "M" in combination with "A", "B" or "D." Those so marked will grow with conditions as above, but extra moisture is needed to do their best.

General: Fall planting is best for most native plants, particularly the early bloomers. In general, plant with about one-half inch to one inch of soil over the crown. A light mulch of leaves or marsh hay is good protection the first winter.

TERMS AND CONDITIONS OF SALE

Our terms are cash or 25% with order, balance C.O.D. With the exception of shrubs and a few other items as noted in catalog, orders of \$2.00 or more accompanied by remittance are post-paid. Postage and C.O.D. charges are extra on C.O.D. orders. On orders under \$2.00 please add 25c to help pay packing, shipping, etc.

We include extra plants with all orders of \$2.00 and over.

We feel sure you will like our packing, and we guarantee that plants will arrive in good condition.

All plants, unless otherwise noted, are 40c each, 3 for \$1.00, \$3.50 for 12, \$25.00 per 100, 6 or more of one kind at the dozen rate, 25 or more at 100 rate.

This catalog cancels all previous quotations.

If you want your order sent by express, deduct 15% from the total and mark your order "send express collect."

Remit in the manner most convenient. If money is sent, it should be registered. We cannot be responsible for money sent by unregistered mail, as letters do sometimes get lost.

If acknowledgement of your order is not received within a reasonable length of time, write us.

WILDFLOWERS

Sweetflag. *Acorus calamus*. C. Brownish-yellow in short spikes on heavy grass-like stems. Root very fragrant. 3 to 5 feet.

White Baneberry. *Actaea alba*. A. Fluffy white blossoms in June, white berries in late summer. 18 to 24 inches.

Red Baneberry. *Actaea rubra*. A. Same as above, except berries, which are red.

Wild Leek. *Allium tricoccum*. A. In early spring two to four green leaves grow from each bulb. Clusters of creamy white blossoms appear in June on bare 8 to 12 inch stems after leaves have withered. Plant bulbs about 2 inches deep.

Pearly Everlasting. *Anaphalis margaritacea*. B. White with brownish center. May be dried for winter bouquets. July. 12 to 18 inches.

Canada Anemone. *Anemone canadensis*. B. White flowers about one inch in diameter appear in early June on plants which may vary from 8 to 18 inches, depending on the competition from their neighbors. Develop into nice clumps.

Wood Anemone. *Anemone quinquefolia*. A. White or light rose blossoms above a whorl of leaves in early spring. Plant entirely disappears in late summer. 4 to 8 inches.

American Columbine. *Aquilegia canadensis*. B. Long spurred bright red flowers, yellow inside. May and June. 1 to 3 feet.

Bristly Sarsaparilla. *Aralia hispida*. DM. Creamy white flowers in June. Blue-black berries in fall. 2 to 3 ft.

Wild Sarsaparilla. *Aralia nudicaulis*. AM. Clusters of greenish-white flowers in June, purple-black berries in fall. Flower stems 8 to 12 inches, leaf stems to 2 ft.

American Spikenard. *Aralia racemosa*. AM. Greenish-white blossoms in June, red berries in fall. Massive and showy. 2 to 5 ft. 50c each, \$5.00 per 12.

Jack-in-the-Pulpit. *Arisaema triphyllum*. AM. Brownish green striped flower, red berries in fall. May. 12 to 18 inches.

Wild Ginger. *Asarum canadense*. A. Heart-shaped fuzzy gray green leaves. Small maroon flowers resting on the ground. Ground cover. April and May. 3 to 4 inches.

Swamp Milkweed. *Asclepias incarnata*. B or C. Deep rosy red flowers. June and July. 3 to 5 ft. Not a pest like the field milkweed.

Calico Aster. *Aster lateriflorus*. B. Multitudes of small white blossoms in August. 2 to 3 ft.

Purple-stemmed Aster. C. Flowers light to dark violet. August, September. 3 to 5 ft. 30c each, \$3.00 doz., \$20.00 per 100.

Wild Calla. *Calla palustris*. C. Waxy white miniature "callas" in June. Red berries in late summer. Fine for pool. 5 to 10 inches. The long, thick rootstalk lies at or near the surface, sometimes under water. New rootstalks are formed each year.

Marsh Marigold. *Caltha palustris*. C. Bright yellow flowers, glossy green leaves. May and June. 6 to 18 inches.

Bluebells of Scotland. *Campanula rotundifolia*. B. June September. Dainty nodding blue bells on slender stems. 18 inches.

Blue Cohosh. *Caulophyllum thalictroides*. A. Small yellow flowers. Intensely blue berries in late summer. June. 18 to 30 inches.

Turtlehead. *Chelone glabra*. BM or C. Spike of white flowers. July. 2 to 3 ft.

Creeping Snowberry. *Chiogenes hispidula*. DM. Evergreen creeper. Small white flowers in May or June, followed by shining white berries.

Bluebeads. *Clintonia borealis*. D. Yellow flowers in May, blue berries in fall. 5 to 8 in.

Goldthread. *Coptis trifolia*. DM. Evergreen creeper. Small white blossoms in midsummer, somewhat like strawberry blossoms, on 2 to 3 inch stem.

Bunchberry. *Cornus canadensis*. D. White flowers in May and June, red berries in fall. Excellent ground cover. 3 to 6 in.

Pink Moccasin Flower, *Cypripedium acaule*. D. May and June. Large pink "slippers." 6 to 12 inches. Soil must be acid with generous amount of humus. Rotted evergreen needles, oak leaf-mold or acid peat is to their liking. Light shade is necessary. They are found growing under pine trees and also in tamarack and spruce swamps. Crown must not be covered with water. 75c each, \$2.00 for 3, \$7.50 per 12, \$60.00 per 100.

Small Yellow Ladyslipper. *Cypripedium parviflorum*. AM. Small yellow "slippers." June. 6 to 12 inches. Same culture as for Showy Ladyslipper. 75c each, \$2.00 for 3, \$7.50 for 12, \$60.00 per 100.

Large Yellow Ladyslipper. *Cypripedium pubescens*. A. Large yellow "slippers". June. 18 to 24 inches. Plenty of leafmold, neutral peat or compost for these. Soil should be neutral or only slightly acid, well drained but with ample moisture. Shade of hardwood trees is best. Can be grown fairly well in any good garden soil. They are found growing in hardwood timberland, usually in clay soil. Our stock of these is very limited. Only three to a customer, and orders will be filled in rotation until our stock is sold out. \$1.00 each, \$2.75 for 3.

Showy Ladyslipper. *Cypripedium reginae* (C. spectabile) A.M. Considered the most beautiful of the ladyslippers. Large white "slippers" flushed with deep pink. Plenty of humus, such as leafmold, peat or compost will aid in successfully growing the Showy Ladyslipper. It should be neutral or only slightly acid with plenty of moisture. The roots can be in quite wet soil, but the crown must be so water will not stand over it more than a few days at a time. Light shade is best. They will do better if too dry than too wet. They grow naturally in thin growths of arbor vitae or in ash flats and occasionally in aspen timberland. This Ladyslipper starts growth in the spring much later than the others. Blooms here in late June or early July. 18 to 30 in. \$1.00 each, \$2.75 for 3, \$10.00 for 12, \$80.00 per 100.

Dutchman's Breeches. *Dicentra cucullaria*. A. Nodding white flowers on 6 inch stems in April. Plant disappears in midsummer.

Shooting Star. *Dodecatheon meadia*. A or B. Clusters of cyclamen-like flowers on 6 to 12 inch stems above a rosette of leaves. White to purple. June. Plant disappears in late summer.

Fireweed. *Epilobium angustifolium*. B. Showy spikes of light magenta flowers on 3 to 5 ft. plants in July or August.

Thoroughwort. *Eupatorium perfoliatum*. BM or C. Dusky white blossoms on 3 to 4 ft. stems. July-August.

Joe Pye Weed. *Eupatorium purpureum*. BM or C. Wine purple flowers. 3 to 5 ft. July-September.

Wintergreen. *Gaultheria procumbens*. D. Thick glossy evergreen leaves on 3 to 4 inch plant. White bells followed by red berries in fall.

Blind or Bottle Gentian. *Gentiana Andrewsii*. BM. In sun, flowers are deepest violet blue; in shade, they are nearer sapphire blue in color. Well established plants carry blossoms in axils of leaves as well as top cluster, and make a fine display. Flowers bottle-shape. 12 to 18 inches. August.

Wild Geranium. *Geranium maculatum*. B. Deep lavender. 12 to 18 in. May and June.

Large Purple-Fringe Orchid. *Habenaria fimbriata*. AM. Spikes of fragrant lavender-pink flowers on 18 to 24 inch stems. A beautiful wild-flower. August. They grow naturally in mucky soil, where there is plenty of moisture, in full sun or light shade. They are also found in soil composed of about equal quantities of coarse sand and leafmold. Plenty of moisture is necessary for their best development. They may even be flooded for short periods. If in full sun, some low growing plants should be used to shade their roots. 75c each, \$2.00 for 3, \$7.50 per 12, \$60.00 per 100.

Round-Lobe Hepatica. *Hepatica triloba*. D. White to bright blue. 2 to 6 in. April. Known to many as Mayflowers.

Giant St. John's Wort. *Hypericum ascyron*. B. 3 to 5 ft. Bright yellow flowers in late July.

Blueflag. *Iris-versicolor*. BM or C. Rich light blue. 2 to 3 ft.

Twinflower. *Linnaea americana*. D. Trailing evergreen, round leaves. Two fragrant pink bells on 3 in. stems nearly all summer.

Loosestrife. *Lysimachia thyrsiflorus*. C. 1 to 3 ft. Little spikes or clusters of yellow flowers grow from the lower leaf axils in June.

Canada Mayflower. *Maianthemum canadensis*. D. Small, fluffy white flower clusters on 3 to 4 inch stems in May.

Wild Mint. *Mentha arvensis*. A, B or C. A clump of dark green wild mint with its rings of pale violet blossoms and its minty fragrance is nice at edge of your pool or bog garden, even though it will do quite well in almost any situation. 1 to 2 ft. July.

Virginia Bluebells. *Martensia virginica*. A or B. Light blue bells follow drooping pink buds. One of the easiest and best of the wildflowers. April. 12 in.

Monkey Flower. *Mimulus ringens*. M. A or B. Light purple snapdragon-like flowers scattered on 2 foot plants. July to September.

Mitrewort. *Mitella diphylla*. A. 8 to 12 in. in May. Spike of small feathery white blossoms on slender stems, which have two opposite leaves halfway up. Cluster of leaves at base.

Grass of Parnassus. *Parnassia palustris*. BM or C. One solitary white buttercup-like flower on each 8 to 12 in. stem. August.

Blue Phlox. *Phlox divaricata*. A or B. Foot high phlox with many lavender-blue blossoms in May.

False Dragonhead. *Physostegia virginiana*. B. July and August. To three ft. Spikes of small pink "snapdragons".

May Apple. *Podophyllum peltatum*. A. Even though the large leaves are carried about a foot above the ground this plant is a very good ground cover, as the leaves grow so densely that the ground cannot be seen. Large white flowers in June hidden by the leaves, followed by a yellowish green edible fruit. Root and leaves poisonous.

Jacob's Ladder. *Polemonium reptans*. A or B. Pale blue bells in profusion in April or May. 8 to 12 in.

Solomon's Seal. *Polygonatum biflorum*. A. Small green bells. Black berries in fall. 8 to 18 inch. May.

Self Heal or Blue Curls. *Prunella vulgaris*. B. Blue flowers. July, August. 6 to 12 inch.

Arctic Bramble. *Rubus arcticus*. A, M. Leaves similar to small strawberry. Fragrant rosy pink blossoms in May, similar to a single rose. Edible berries somewhat like raspberries sparingly in August. Rock garden. 50c each \$5.00 for 12. Not shipped to Oregon.

Bloodroot. *Sanguinaria canadensis*. A. One of the earliest, easiest, and showiest of the wildflowers. Its yellow-centered white blossoms are followed by the light green leaves which grow rapidly to a surprising size, then wither and dry up in late summer. 5 to 8 in. May.

Pitcher Plant. *Sarracenia purpurea*. D. Requires moist situation. Reddish green flowers. Pitcher shaped leaves. 1 to 2 ft. July.

Golden Ragwort. *Senecio aureus*. B. 2 to 3 feet. Golden yellow flowers in June. Long lasting, cut flowers.

Blue-Eyed Grass. *Sisyrinchium angustifolium*. B. 6 to 12 in. May to July. Starry blue flowers, with white and yellow centers on flat stems. Leaves grasslike.

False Solomon's Seal. *Smilacina racemosa*. A or B. Fluffy white flowers on two foot stems in late June followed by glossy, red berries.

Starry False Solomon's Seal. *Smilacina stellata*. A. Small clusters of white flowers on one foot stems in June followed by black red berries.

Fringed Loosestrife. *Steironema ciliata*. AM. Wide open drooping yellow bells for nearly a month. July August. 18 to 24 inch.

Twisted Stalk and Rosy Twisted Stalk. *Strep-topus amplexifolium*. *S. roseum*. A. The former has small white bells, the latter rose colored bells in May, but as the red berries in autumn are the showy part of the plant we are grouping them together. The plants resemble Solomon's Seal. 12 to 18 inches.

Canada Yew. *Taxus canadensis*. A. To 2 feet. Dwarf evergreen with soft silky needles. Scattered small red berries in late summer. \$1.00 each. \$10.00 for 12.

Early Meadowrue. *Thalictrum dioicum*. A. Misty purple flowers in May. 2 feet.

Tall Meadowrue. *Thalictrum polygamum*. A or B. Feathery white flowers. Good cut flower. 4 to 6 feet. July and August.

Foamflower. *Tiarella cordifolia*. A or D. Fluffy white flowers to 8 inches tall in May. Best in acid soil.

American Starflower. *Trientalis americana*. D. 6 inches. A bare stem ending in a circle of sharp-pointed leaves, above which, on slender stems, appear two white stars in June.

Nodding Trillium. *Trillium cernuum*. A. Nodding white blossom beneath the three leaves in early June. 8 to 12 inches.

Snow Trillium. *Trillium grandiflorum*. A. The large white, lily-like blossoms appear at the top of 8 to 18 inch stems, above three large leaves in early June, and are one of our most beautiful and showy wildflowers. Plant roots about two inches deep.

Merrybells. *Uvularia perfoliata*. A. Drooping yellow bells on 6 to 12 inch stems in May. One of the easiest and showiest in its season.

Bellwort. *Uvularia sessilifolia*. A. Small pale yellow bells in May. 6 to 8 in.

THE HARDY NATIVE VIOLETS

Most of these are so prolific we can offer them at lower rate than other items, even though we think some of our choicest plants are violets. Most are fragrant and all are among the earliest of flowers. Violet plants are 30c each, 80c for 3, \$3.00 per 12, \$20.00 per 100, 6 or more of one species at the 12 rate, 25 or more at the 100 rate. Other terms on page 3 apply.

Sandland Violet. *Viola adunca*. 3 to 4 in. Best in light shade or full sun, not too rich soil, with good drainage. When conditions are to its liking, dozens of bright, light violet blooms are produced in May or June.

Sweet White Violet. *Viola blanda*. AM. Small white fragrant violets on 2 to 3 inch stems in May.

Dog Violet. *Viola conspersa*. AM. 3 to 6 inches. An attractive pale blue violet which blooms quite prolifically when established. April or May.

Northern White Violet. *Viola pallens*. B or C. 2 in. May. Somewhat smaller and earlier than *Viola blanda*. Multiplies rapidly and makes a good ground cover for moist spots.

White Butterfly Violet. *Viola papilionacea*, white variety. B or C. 6 to 8 in. May or June. This variety is white, with deep violet throat, very attractive. A strong grower and rapid multiplier.

Downy Yellow Violet. *Viola pubescens*. A. Strong, upright grower to 8 inches carrying several yellow blossoms in May. When established each plant has several stems.

Tall-Stemmed White Violet. *Viola rugulosa*. A. 8 to 12 in. May and June, with a few scattered blossoms all summer. Flowers are white to pale lavender with violet stripes in throat. A strong grower and multiplies rapidly by underground stolons. Excellent ground cover for shady spots.

Selkirk's Violet. *Viola Selkirkii*. AM. 2 to 4 in. Our earliest violet. Short blooming season, but a very showy and beautiful little violet. Blossoms are bright violet in color. Rare. April.

Woolly Blue Violet Hybrid. *Viola sororia* hybrid. B or C. This violet is light blue, growing to about 6 inches. We like the color particularly well.

FERNS

Maidenhair Fern. *Adiantum pedatum*. A. One of the most beautiful native ferns. 12 to 18 inches. Spreading fronds at the top of slender, wiry, black stems. Plant rootstalks about one-half inch below surface.

Lady Fern. *Athyrium filix-femina*. A. A graceful species, growing from two to three feet tall. Plant the roots just below the surface.

Rattlesnake Fern. *Botrychium virginianum*. A. 1 to 2 feet. A broad triangular frond with a spore cluster above it. Plant with crown about 1 inch deep.

Berry Bladderfern. *Cystopteris bulbifera*. AM. Graceful rather weak fronds to 30 inches. Rock garden. Top of crown should be even with ground level.

Crested Woodfern. *Dryopteris cristata*. AM. 12 to 18 inches. Nearly evergreen. Upright, rather narrow fronds. One of the most beautiful ferns. Top of rootstalk should be at ground level.

Spreading Shield Fern or Mountain Fancy Fern. *Dryopteris dilatata*. AM. 2 to 3 ft. Broad fronds of a rather light green. Nearly evergreen. For edges of pools or bog garden. Top of rootstalk should be at ground level.

Oakfern. *Dryopteris Linneana*. AM. A very tiny attractive 6 inch fern with branched fronds. Plant rootstalks about one-half inch below surface.

Narrow Beechfern. *Dryopteris phegopteris*. AM. Fronds borne at top of the 6 to 8 inch stems and are shaped like arrowheads. Plant rootstalks about one half inch below surface.

Marshfern. *Dryopteris thelypteris*. C. 12 to 18 inches. One for moist places. Top of rootstalk should be even with ground level.

Sensitive Fern. *Onoclea Sensibilis*. AM or C. Species with broad fronds, growing from a few inches to three feet tall. Top of rootstalk should be even with ground level.

Cinnamon Fern. *Osmunda cinnamomea*. AM or C. While at its best in wet locations, this fern may also be grown in dry soil. It varies in height from 2 to 6 feet depending on the moisture available. Top of crown should be above ground. 50c each, \$5.00 per 12, \$40.00 per 100, 3 or more at 12 rate, 25 or more at 100 rate.

Interrupted Fern. *Osmunda Claytoniana*. A or B. Possibly the largest of our native ferns, attaining a height of 6 feet. Top of crown should be above ground. 50c each, \$5.00 per 12, \$40.00 per 100, 3 or more at 12 rate, 25 or more at 100 rate.

Bracken or Eagle Fern. *Pteridium aquilinum*. A or B. 2 to 3 feet. A rather coarse fern growing from creeping rootstalks. Plant rootstalks about 2 inches deep.

Ostrich Fern. *Pteritis nodulosa*. A or B. 2 to 5 feet. A very graceful plummy species, 2 to 5 feet in favorable locations. Top of crown should be above ground. 50c each, \$5.00 per 12, \$40.00 per 100, 3 or more at 12 rate, 25 or more at 100 rate.

Fern Collection: One each of the following: Maidenhair Fern, Lady Fern, Mountain Fancy Fern, Narrow Beechfern for \$1.00, 3 of each for \$2.50, 5 of each for \$4.00.

PRAIRIE WILDFLOWERS

The plants in this listing require different environment than most of the other items we list. They need good drainage and a recommended soil mixture is made up of equal parts of ordinary soil, coarse sand and fine gravel. Full sun for all except those marked "shade." Those items like half shade. The addition of a little lime is also appreciated by these plants, as the soil is inclined to be somewhat alkaline in their native habitat.

Please Note: Plants under this heading "Prairie Wildflowers", are 50c each, \$1.25 for 3, \$4.50 per 12, 6 or more of one kind at 12 rate, except items priced otherwise in the list below.

Actinea simplex. 4 to 8 inches. June. Narrow silvery leaved rosettes. Brilliant golden daisies.

Allium cernuum. Nodding Onion. July. 12 inches. Light shell pink. 3 for 50c, \$1.50 per 12.

Antennaria aprica. Pussy-Toes. Inch high mats of silvery olive leaves. Gray-white pussy-toe blossoms at 4 inches.

Artemisia frigida. August. Low, silvery cushions. Tiny yellowish bells on arching silvery spikes.

Aster kumleini. September. 12 inches. Sheet of blue and gold.

Aster ptarmicoides. July-August. 12 inches. White rays, cream center. Best in poor soil. Shade.

Campanula petiolata. Western Harebell. 12 inches. June and July. Many blue or lavender bells. Shade.

Dodecatheon pulchellum. 8 inches. Many rose and gold stars to the umbel. Shade.

Iris missouriensis. 15 inches. June. Slender leaves, silvery blue blooms. Shade.

Leucocrinum montanum. Sand Lily. April and May. Many little waxy white, fragrant lilies among grassy leaves.

Liatris punctata. Dwarf Gayfeather. 18 inches. July. Dense fluffy blooms.

Oenothera caespitosa. May to August. Gumbo Lily. Large white evening primroses upon the ground. Glossy leaves. Open all day.

Opuntia fragilis, Brittle Cactus. June. Pygmy prickly pear. Large yellow blossoms.

Opuntia humifusa. 4 to 6 in. Late June. Very large yellow, red-centered blooms. Ripe pears dark red.

Opuntia polyacantha. 4 to 6 inches. Many spined prickly pear. 4 in. yellow blooms.

Pentstemon glaber. 18 inches. June, July. Fine dark blue.

Pentstemon grandiflorus. 30 inches. June. Deep lavender, gray green leaves.

Yucca glauca. July. Sharp pointed leaves to 18 in. Tall spikes of creamy lilies. 75c each, \$2.00 for 3, \$7.50 per 12.

GARDEN HERBS

We can supply plants of Tansy, Catnip, and Horseradish at our regular rates.

VINES

Purple Virgin's Bower. Clematis verticillaris. A. Purple flowers to 3 inches across in June. Fluffy seed clusters. 75c each, \$7.50 per 12.

Virginia Creeper. Parthenocissus Quinquifolia. A or B. Well known vine for porches and walls. 50c each. \$5.00 per 12.

HARDY PERENNIALS

Achillea. The Pearl. B. White blooms from June to September. 2 to 3 feet.

Lavender Globe-Lily. Allium tanguticum. Two to three inch round clusters of lavender flowers on 18 to 24 inch stems in August. Slender, graceful foliage.

Columbine, Clematis-flowered. Aquilegia clematiflora. B. 2 ft. Large, spurless blossoms in various colors.

Anthemis. Hardy Marguerite. A or B. 2 to 3 ft. Yellow daisy-like flowers on long stems above fern-like foliage. Long lasting cutflower. June and July.

Asters. Mixed Hardy Asters. B. Purplish-pink to deep purple. Grow to 6 feet.

Harebell. Campanula carpatica. B. 6 to 12 inches. Sun or shade. Large blue upright bells. June to frost.

Bellflower. Campanula rapunculoides. B. 2 to 3 feet. Large purple hanging bells. July.

Snow-in-Summer. Cerastium tomentosum. 3 to 6 inches. Woolly, white leaves, many white flowers in May and June. Fine for edging and rock gardens.

Delphinium. B. Mixed colors.

Sweet William. *Dianthus barbatus.* B. Mixed. June. 1 foot.

Bulgarian Pinks. *Dianthus carthusianorum,* var. *giganteus.* B. To 40 inches. July. Rose-red.

Yellow Pinks. *Dianthus Knappi.* B. 1 foot. June. Yellow. 50c each. \$5.00 per 12.

Plumy Bleeding Heart. *Dicentra eximia.* A or B. 16 inches. Rose colored hanging hearts fern like foliage. Light shade best. Everblooming.

Golden Glow. B. The old fashioned tall perennial with double yellow flowers in August.

Day Lily. *Hemerocallis.* B. Large yellow hybrids. July-August.

Vesper Iris. *Iris dichotoma.* B. 2 to 4 feet. Fragrant cream to violet flowers. July to September.

Dwarf Iris. B. 8 to 12 inches. Large purple blooms on low plants. Very showy.

Lily of the Valley. B. 8 to 12 inches. Best in shade. Small fragrant white bells in May. Pips, 5c each, 50c per 12. \$3.50 per 100.

Perennial Flax. *Linum perenne.* B. June to August. 2 feet. Blue.

Lychnis Chalcedonica. B. 3 to 4 feet. June August. Bright red flowers in clusters.

Forget-Me-Not. *Myosotis palustris.* A or B. 1 ft. Nice bedding plant. Mixed colors, blue, white and pink.

Phlox. Pure white. B. 2 to 3 feet.

Shasta Daisy. Mayfield Giants. B. 2 feet. June to August. Large white daisies.

Giant Pansies. B. One of our specialties. Blooming plants, \$1.00 per dozen. Smaller plants, some in bud, same varieties as above, 2 dozen \$1.25. Our customers tell us we have the prettiest pansies they have seen.

Veronica spicata. A or B. To 3 ft. Pyramidal plants with long spikes of bright blue flowers. June to September.

HARDY LILIES

Red Star Lily. B. 18 to 30 inches. June. Bright red upright flowers. Plant 4 inches deep.

Davuricum. B. 2 feet. June. Salmon pink with deeper spots. Upright flowers. 4 inches deep.

Candlestick Lily. B. 2 feet. June. Red upright flowers. 6 inches deep.

Tiger Lily. *Lilium tigrinum.* B. To 5 feet. The common old-fashioned tiger lily.

Mixed Lilies. B. Above varieties and others.

Special Lily Collection. One bulb of each variety, labeled, \$1.25, 3 of each, \$3.50.

PEONIES

3 to 5 bud divisions. Plant in any good soil, with the buds not more than two inches below the surface. Fall delivery only.

All peonies, except as noted, are \$1.00 each, 3 for \$2.50, postpaid.

Felix Crousse. Brilliant red.

Festiva Maxima. Large fine white.

Francis Ortegat. Red.

Geraldine. Japanese type. Purple.

Jeannot. Fine late pink. \$1.50 each, 3 for \$4.00.

La Tulipe. Lilac white.

Lemon Queen. Japanese type. Cream.

Louis Van Houtte. Red.

Marie Crousse. Fine shell pink.

Reine Hortense. Fine delicate pink.

Rubra Superba. Red.

Sarah Bernhardt. Apple blossom pink.

Suzette. Bengal rose.

Special offer: One root of each of the above peonies, labeled, for \$10.00, postpaid. 3 of each for \$27.50, postpaid.

Red, White or Pink, unnamed, labeled as to color, 75c each, 3 for \$2.00, 12 for \$7.50, postpaid. Assorted as you wish.

BROAD-LEAF EVERGREENS

A mixture of half acid peat and sand is good soil for these little shrubs. Mulch them to hold the moisture. Sun or light shade.

All Broadleaf Evergreens are 75c each, \$7.50 per 12.

Bog Rosemary or Downy Andromeda. *Andromeda glaucophylla*. 12 to 18 inches. Grayish green leaves. Little pink bells in June.

Leatherleaf. *Chamaedaphne calyculata*. 12 to 30 inches. Glistening green leaves. Multitudes of light pink bells in April.

Bog Laurel. *Kalmia polifolia*. 12 to 24 inches. Glistening green leaves, gray beneath. Nodding pink flowers in June.

Labrador Tea. *Ledum groenlandicum*. 12 to 24 inches. Leaves green above, rusty brown beneath. Umbels of white flowers in May.

One of each of the above evergreens, separately labeled, \$2.75. 3 of each for \$7.50.

NATIVE TREES AND SHRUBS

Prices of trees and shrubs listed below are net, postage or express extra. The 2 to 3 ft. size can go by mail, larger sizes are better by motor freight or railway express. Unless otherwise noted, prices are as follows: 2 to 3 ft. \$1.00 each, 3 for \$2.50; 3 to 4 ft. \$1.50, 3 for \$4.00.

In most cases these are collected stock, carefully dug and packed.

Hard or Sugar Maple. *Acer saccharum*. To 75 feet. Long lived shade tree.

Mountain Maple. *Acer spicatum*. To 15 feet Dwarf maple. Spikes of flowers in June, followed by drooping seed clusters in fall.

Black Chokeberry. *Aronia melanocarpa*. To 5 feet. Many white flowers in June, almost black berries in fall. Brilliant autumn foliage. 18 to 24 inches, 50c each, \$5.00 per 12. Stock very limited.

Pagoda Dogwood. *Cornus alternifolia*. To 8 feet. Deep reddish bark. Yellowish flowers in June, bluish berries in late summer.

Red Osier Dogwood. *Cornus stolonifera*. To 6 feet. Red bark. White blossoms in June, white berries in late summer.

Hazelnut. *Corylus americana*. To 8 feet. The common hazelnut.

Beaked Hazelnut. *Corylus rostrata*. To 8 feet. Similar to above, but different shaped nut.

Leatherwood. *Dirca canadensis*. To 6 feet. Small bright yellow flowers in profusion before the leaves in spring. Attractive pale green leaves. Best in shade. One of the very best shrubs for shady spots. 12 to 18 inches, \$1.00 each, \$10.00 per 12, 18 to 24 inches, \$1.50 ea., \$4.00 for 3, 24 to 30 inches, \$2.00 ea., \$5.00 for 3.

Winterberry. *Ilex verticillata*. To 8 feet. Small white flowers in June. Red holly berries in fall.

Red-berried Elder. *Sambucus pubens*. To 10 feet. Clusters of creamy white flowers in early spring, followed by scarlet berries, of which the birds are very fond.

Dwarf Snowberry. *Symphoricarpos racemosus* var. *nana*. Best in light shade in well drained soil. Small white blossoms in June, white berries in late summer. Light green leaves. 1 to 2 feet. 50c each, \$5.00 per 12.

Highbush Cranberry. *Viburnum americanum*. To 12 feet. White flowers in June, edible red berries in fall.

Arrowwood. *Viburnum dentatum*. To 6 feet. Creamy white flowers in June. Black-purple berries in fall. Deep wine red leaves in fall.

Nanny-Berry. *Viburnum Lentago*. To 15 feet. A good tall shrub. White flowers in May or June, bluish-black berries in August.

We can also supply many other native trees and shrubs, including the following, in the same sizes and at the same prices as those in the descriptive list of trees and shrubs. Because of limited demand for native trees and shrubs, we give descriptions of only a few, but if you would be interested in any of the items below, we will be glad to tell you more about them. Some cannot be shipped to all states so please inquire of your nursery inspection officials regarding any of these.

Blue Fly-Honeysuckle. *Lonicera coerulea*.

Swamp Fly-Honeysuckle. *Lonicera oblongifolia*.

Canada Fly-Honeysuckle. *Lonicera canadensis*.

Dwarf Birch. *Betula pumila*.

Alder-Leaved Buckthorn. *Rhamnus alnifolia*.

Pincherry. *Prunus pennsylvanica*.

Wild Plum. *Prunus americana*.

Chokecherry. *Prunus virginiana*.

Sandcherry. *Prunus pumila*.

Speckled Alder. *Alnus incana*.

Meadow Rose. *Rosa blanda*.

Staghorn Sumac. *Rhus typhina*.

SOIL CONDITIONERS

Well-rotted Cow Manure. 75c per bushel. 2 bushels or more at 65c per bushel. Not prepaid.

Peat. The peat we offer is a black, almost mucky, sedge peat, very old and very rotten. For loosening up heavy soils and making lighter soils more moisture retentive. 75c per bushel, 2 bushels or more at 65c per bushel. Not prepaid.

Leafmold as it comes from the woods, not screened, \$1.50 per bushel, not prepaid. Acid leafmold, \$2.00 per bushel, not prepaid.

Well rotted sawdust. Fine food and mulch for wildflowers, bushel \$1.00, 2 bushels or more at 75c per bushel. Not prepaid.

**Hardy
Wildflowers**

Ferns

Perennials

Shrubs



Grown in the
Rigorous Climate of
Northern
Minnesota



Dug and Packed
Carefully to Reach
You in Fine
Growing Condition

ORCHID GARDENS

Route One

GRAND RAPIDS, MINNESOTA